FACTS
If You Build It They Will Use It!
School Construction and Physical Education

OVERVIEW
Nearly one third of children are overweight or obese.\(^1\)\(^2\) Poor nutrition and lack of physical activity have contributed to the childhood obesity epidemic.\(^1\)\(^3\)\(^4\) One way to reduce obesity is to increase physical activity.\(^5\)

The American Heart Association recommends that children get at least 60 minutes of moderate or vigorous-intensity physical activity every day that is developmentally appropriate, enjoyable, and involves a variety of activities.\(^5\) However, the percentage of schools offering physical education at least 3 days a week decreased from 2000-2006.\(^7\) Further, the percentage of students taking physical education declines significantly from middle to high school.\(^7\)\(^8\)

SCHOOLS LACK SAFE AND ADEQUATE SPACE FOR PHYSICAL ACTIVITY
Research has shown that school environments with well-designed playgrounds, open spaces, facilities and equipment that are available, accessible and inviting to children encourage more physical activity.\(^9\)\(^10\)\(^11\)\(^12\)

However, crumbling and unsafe school facilities make it difficult for many teachers to conduct and supervise structured physical education programs.\(^13\)

- Nearly one third of all public schools have outdoor play areas or athletic facilities that are deemed to be in fair or poor condition by the US Department of Education.\(^13\)
- Less than 10% of school districts have policies that require safe and adequate equipment and facilities.\(^14\)
- Over half of all public schools do not have the money to spend on onsite buildings that need renovations and repairs.\(^13\)
- School officials cite budget cuts and inadequate facilities as major barriers to providing adequate physical education.\(^7\)
- The median budget for physical education programs nationally is only $764 per school.\(^15\)

NATIONAL GUIDELINES FOR PHYSICAL ACTIVITY FACILITIES
The National Association for Sport and Physical Education (NASPE) sets national guidelines for school physical education.\(^16\) These call for a dedicated athletic facility; adequate space; class size is proportional the space allocated for instruction; equipment storage space; restrooms and drinking fountains; outdoor spaces; and natural play areas.\(^16\)

THE ASSOCIATION ADVOCATES
The American Heart Association advocates for quality physical education in our nation’s schools to help reduce the obesity epidemic among children and youth.

Any construction, modernization, renovation, or repair funds for schools should include support for indoor and outdoor school physical education and physical activity facilities.

The association supports promoting and funding construction efforts in all schools, especially those where physical activity and physical education are being impeded due to a lack of adequate facilities.

Construction efforts should be encouraged through:
- Providing tax incentives through the Qualified Zone Academy Bonds (QZABs).\(^17\)
- Offering tax incentives through the Qualified School Construction Bonds (QSCBs).\(^18\)
- Providing direct grant funding for schools in high-need communities.
- Conducting research to assess the extent to which the physical condition of facilities impedes schools from providing daily, quality physical education and ensuring that kids are physically active during the school day.

TESTIMONIALS FROM EDUCATORS
Parkersburg, WV. I work in a typical gymnasium constructed in the early 1950s. It has unsafe walls and six doorways with unprotected brick corners, which could cause severe head trauma or bodily injury. This gym, like thousands of others in American schools, could be redesigned to be an auditorium, which the school sorely needs. And a 21\(^{th}\) century gymnasium could be built that meets current safety standards, has water fountains and provides adequate room for movement. The gym could be used after school hours in the evening and on weekends by community recreation programs to promote lifetime wellness.
Indianapolis, IN. Because we use the school gym to serve lunch, I must teach physical education in the hallway or in a classroom for as many as three days a week. I am constantly looking for things to do with classes stuck in these classrooms or in hallways that will not interfere with other instruction. In a nutshell, my students are not getting the quality of physical education that they need to remain fit and healthy.

Cayce, SC. For most of my 29 years teaching elementary PE, my primary teaching space has been a blacktop area, or part of a playground where I must contend with heat, cold, bugs, noisy recesses, lawn mowers, traffic and a host of other distractions. The formidable challenge is to provide developmentally appropriate instruction in a safe and adequate environment. Money will be required to create this infrastructure. But that will force lawmakers to demonstrate just how committed they are to promoting physically active lifestyles and a citizenry that maintains acceptable levels of physical fitness for life. It is easy to bewail the staggering statistics regarding obesity, type 2 diabetes, and cardiovascular disease among our population. It is much harder – but necessary – to support the changes that are needed with adequate funding.

Minot, ND. The temperatures in December hover at around -20 degrees F so outdoor PE is out of the question. There are about 450 K-5 students at our school, but unfortunately, our gym is also the lunchroom for about two hours each day. During that time, PE classes are taught in the shelter in the basement, with 9-foot ceilings and vertical support beams in the middle of the room. I was told that the cracked shelter floor could not be painted or improved, because there is too much moisture. Many students do not have a PE class in the gym until the third grade. Students using wheel chairs or walkers never have PE in the gym, because we have no elevator.

South Providence, RI. When I started at my school they used one half of a small cafeteria for the gym (the other half was used for lunch). Activities in that room were severely limited by a cement floor, brick walls, a low ceiling, and poles in the middle of the room. It was not a safe place to conduct a physical activity program. So when the mayor came to visit the school, I asked him if he would like to see my physical education facilities. He said, “Sure” and I explained that the lunchroom he was sitting in was my gym. I told him my kids have never been able to play basketball, volleyball, or many other sports in PE due to the limitations of the room. He turned to his secretary and said, “Let’s build her a gymnasium!” I now have a high-school-sized gym and my physical education program is awesome! My kids move and learn every day and they have physical education classes twice a week!